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Table 1. *Phylogenetic relationships of the studied species and their bootstrap values*

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464 FILE AITSAIRBT
465 FILE AITSLIGHT
466 FILE AIBLOSLA
467 FILE AIDSLINE
468 FILE ANABSTR
469 FILE AATRAST
470 FILE AIBSCINFAT
471 FILE BIOTOCOMMERCE
2492 FILE BIOSIS
2180 FILE BIOTECHABS
2180 FILE BIOTECHDS
1868 FILE BIOTECHNO
478 FILE CIBA
479 FILE CANCERLIT
3017 FILE CAPLUS
478 FILE CHEBA
474 FILE CHM
388 FILE CINI
84 FILE CONFSCI
35 FILE DDFB
471 FILE DDFU
472 FILE DORNE
473 FILE DRUB
474 FILE DRUGBLAVM
475 FILE DRUGNL
476 FILE DRUGT
66 FILE ENEAL
2088 FILE ENBASE
1062 FILE ESEBORASE
477 FILE FROSTI
478 FILE FSYA
479 FILE GENBANK
480 FILE HEALTHAFF
481 FILE IETPAT
482 FILE CLOST-EPIDEM
483 FILE IREFSCI
484 FILE MEDICINE
485 FILE METLINE
486 FILE MSHST
487 FILE NIDS
488 FILE NYEAN
489 FILE PHDS
490 FILE PHDS
491 FILE PHIS
492 FILE PHIN
493 FILE PHINT
494 FILE PHINPAK

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EP 707794 A1 19930121 EP 1494-821160 19940801
 E: AI, BB, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,
 SE
 JP 19870168 T1 19870204 JP 1994-826053 19940801
 US 8787226 A 19930014 US 1995-416980 19950404
 US 880104 A 19930014 US 1995-416980 19950404
 PRIORITY APPL. INFO.:
 US 1991-049541 19910826
 US 1992-090498 19920926
 WO 1994-088683 19940801
 US 1995-416980 19950404

AB Peptides are used to define epitopes that stimulate HLA-restricted
 cytotoxic T lymphocyte activity against hepatitis B virus antigens. The
 peptides are derived from regions of HBV RNA **polymerase**, and are
 particularly useful in treating or preventing HBV infection, including
 methods for stimulating the immune response of immunally impaired
 individuals to respond to HBV antigens.

CLASS 1-8 3111 115

INT. ANSWER 1 OF 1 CLASS. 1-8 3111 115
 APPLICATION NUMBER: 19930121 CLASS.
 DOCUMENT NUMBER: 123:1120
 TITLE: Peptides derived from the hepatitis B virus RNA
polymerase that induce a cytotoxic
 lymphocyte response to the virus
 INVENTOR(S): Chisari, Francis V.
 PATENT ASSIGNEE(S): Scripps Research Institute, USA
 SOURCE: PCT Int. Appl., 64 pp.
 CODEN: BIXMD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 9513707	A1	19950209	WO 1994-US8685	19940801
W: AM, AT, AU, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, ES, FI, GB, GR, HU, JP, KE, KG, KI, KR, KU, LK, LT, LU, LV, MC, MG, MN, MW, NL, NO, NZ, PL, PT, R, RU, SI, SE, SI, SK, TJ, TT, UA, US, UZ,				
RU: KP, MW, SP, AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, MC, NL, PT, SE, SF, SI, DE, CZ, LI, UK, SA, NI, NL, ME, ME, CH, TJ,				
CA 2168583	AA	19950209	CA 1994-2168583	19940801
AU 9478184	A1	19950209	AU 1994-78184	19940801
EP 021867	B1	19930214		
EP 026758	A1	19960821	EP 1994-925160	19940801
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IE, IT, LI, LU, MC, NL, PT,				
JP 19870168	T1	19870204	JP 1994-826053	19940801
US 8787226	A	19930014	US 1995-416980	19950404
US 880104	A	19930014	US 1995-416980	19950404
PRIORITY APPL. INFO.: US 1991-049541 19910826 US 1992-090498 19920926 WO 1994-088683 19940801 US 1995-416980 19950404				

AB Peptides are used to define epitopes that stimulate HLA-restricted
 cytotoxic T lymphocyte activity against hepatitis B virus antigens. The
 peptides are derived from regions of HBV RNA **polymerase**, and are
 particularly useful in treating or preventing HBV infection, including
 methods for stimulating the immune response of immunally impaired

individuals to respond to HBV antigens.

KEYWORDS: ANSWER: IF: PUBLIC COPYRIGHT: PUBLIC
ABSTRACT NUMBER: 199-13-41 PUBLIC
DOCUMENT NUMBER: PRV199336141-17
TITLE: Rapid titration of sera fragments directly to a
**lentivirus-infected myeloma serum: Utility for
DNA vaccination.**
AUTHORS: Holterman, Lennart; Ten Haaf, Peter; Nijhuis, Hans;
Beekun, Jonathan
CORPORATE SOURCE: Dep. Virol., Lab. Viral Pathogenesis, Biomed. Primate Res.
Centre, Lange Kleiweg 4 Netherlands
NOTE: Brown, P. [Editor]; Murray, E. [Editor]; Kurman, R.
[Editor]; Melnick, J. [Editor]. Vaccines. Cold Spring
Harbor, 1990. Vol. 8, pp. 77-78. Vaccines. Cold Spring
Harbor; Molecular approaches to the control of infectious
diseases.
Publisher: Cold Spring Harbor Laboratory Press 100 Skyline
Drive, Plainville, New York 11764, USA.
Meeting Info.: Thirteenth Meeting Cold Spring Harbor, New
York, USA September 13-17, 1991
ISSN: 0894-4066. ISBN: 0-87969-479-3.
DOCUMENT TYPE: Book; Conference
LANGUAGE: English

KEYWORDS: ANSWER: IF: PUBLIC COPYRIGHT: PUBLIC
ABSTRACT NUMBER: 199-13-41 PUBLIC
DOCUMENT NUMBER: PRV199336141-17
TITLE: Five-year follow-up of a prospective randomized trial of
**hepatitis B recombinant DNA
yeast vaccine** vs. plasma-derived vaccine in
children: immunogenicity and anamnestic responses.
AUTHORS: Lai, Shing-Lung [1]; Wong, Benjamin Chun-Yu; Yeoh,
Eng-Kiang; Lim, Wai-Hing; Chang, Wai-Kwan; Lin, Hsiang-Ji
[1] Dep. Med., Univ. Hong Kong, Queen Mary Hosp. Hong Kong
NOTE: Hepatology, 1993. Vol. 18, No. 4, pp. 944-947.
ISSN: 0270-9139.
DOCUMENT TYPE: Article
LANGUAGE: English

AB In a prospective randomized trial, 318 children aged between 3 mo and 11
yr who were negative for all hepatitis B markers were randomized to
receive two 5-mu-g doses of **hepatitis B recombinant
DNA yeast vaccine** at 0 and 1 mo (group 1), three 5-mu-g
doses of **hepatitis B recombinant DNA yeast
vaccine** at 0, 1 and 6 mo (group 2) or three 10-mu-g doses of
plasma-derived hepatitis B vaccine (group 3). The HBs antibody response
rate at 6 mo was between 93% and 94%; it was 85% to 94% at 5 yr in all
three groups. Geometric mean titers at 1 yr were 83, 1,085 and 868 mIU/ml
in groups 1, 2 and 3, respectively. These values had decreased after 5 yr
to 47, 181 and 150 mIU/ml. Subjects in group 1 showed a significantly less
proportional drop in geometric mean titer at the fifth year than did
subjects in group 2 ($p = 0.007$) or group 3 ($p = 0.016$). None of the
children developed HBs antibody, even after 5 yr of follow-up. We noted

4. episodes of significantly increased HBs antibody titers, probably due to
anamnestic response, even when the titers had dropped to low levels. The
mean age at which anamnestic response occurred was 4.7 yr. We conclude
that (a) the recombinant vaccine and plasma-derived vaccine are
comparable
in safety and immunogenicity, (b) two doses of vaccine was as effective

in
protecting against B infection as three doses, despite lower HBs
antibody titers; (c) anamnestic responses occurred most frequently at and
1 yr after a child began attending school; and (d) booster doses were not
necessary at 5 yr, probably because of ability to elicit anamnestic
responses to a booster dose.

polymerase.

Figure 1. The effect of the concentration of the *Agrobacterium* suspension on the transformation efficiency of *Agrobacterium* strains.

Library of Congress: K157, ISBN: 0-83-93-5112

1992, 1993, 1994, 1995, 1996, 1997, 1998, 1999, 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008, 2009, 2010, 2011, 2012, 2013, 2014, 2015, 2016, 2017, 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026, 2027, 2028, 2029, 2030, 2031, 2032, 2033, 2034, 2035, 2036, 2037, 2038, 2039, 2040, 2041, 2042, 2043, 2044, 2045, 2046, 2047, 2048, 2049, 2050, 2051, 2052, 2053, 2054, 2055, 2056, 2057, 2058, 2059, 2060, 2061, 2062, 2063, 2064, 2065, 2066, 2067, 2068, 2069, 2070, 2071, 2072, 2073, 2074, 2075, 2076, 2077, 2078, 2079, 2080, 2081, 2082, 2083, 2084, 2085, 2086, 2087, 2088, 2089, 2090, 2091, 2092, 2093, 2094, 2095, 2096, 2097, 2098, 2099, 2100, 2101, 2102, 2103, 2104, 2105, 2106, 2107, 2108, 2109, 2110, 2111, 2112, 2113, 2114, 2115, 2116, 2117, 2118, 2119, 2120, 2121, 2122, 2123, 2124, 2125, 2126, 2127, 2128, 2129, 2130, 2131, 2132, 2133, 2134, 2135, 2136, 2137, 2138, 2139, 2140, 2141, 2142, 2143, 2144, 2145, 2146, 2147, 2148, 2149, 2150, 2151, 2152, 2153, 2154, 2155, 2156, 2157, 2158, 2159, 2160, 2161, 2162, 2163, 2164, 2165, 2166, 2167, 2168, 2169, 2170, 2171, 2172, 2173, 2174, 2175, 2176, 2177, 2178, 2179, 2180, 2181, 2182, 2183, 2184, 2185, 2186, 2187, 2188, 2189, 2190, 2191, 2192, 2193, 2194, 2195, 2196, 2197, 2198, 2199, 2200, 2201, 2202, 2203, 2204, 2205, 2206, 2207, 2208, 2209, 2210, 2211, 2212, 2213, 2214, 2215, 2216, 2217, 2218, 2219, 2220, 2221, 2222, 2223, 2224, 2225, 2226, 2227, 2228, 2229, 2230, 2231, 2232, 2233, 2234, 2235, 2236, 2237, 2238, 2239, 2240, 2241, 2242, 2243, 2244, 2245, 2246, 2247, 2248, 2249, 2250, 2251, 2252, 2253, 2254, 2255, 2256, 2257, 2258, 2259, 2260, 2261, 2262, 2263, 2264, 2265, 2266, 2267, 2268, 2269, 2270, 2271, 2272, 2273, 2274, 2275, 2276, 2277, 2278, 2279, 2280, 2281, 2282, 2283, 2284, 2285, 2286, 2287, 2288, 2289, 2290, 2291, 2292, 2293, 2294, 2295, 2296, 2297, 2298, 2299, 2300, 2301, 2302, 2303, 2304, 2305, 2306, 2307, 2308, 2309, 2310, 2311, 2312, 2313, 2314, 2315, 2316, 2317, 2318, 2319, 2320, 2321, 2322, 2323, 2324, 2325, 2326, 2327, 2328, 2329, 2330, 2331, 2332, 2333, 2334, 2335, 2336, 2337, 2338, 2339, 2340, 2341, 2342, 2343, 2344, 2345, 2346, 2347, 2348, 2349, 2350, 2351, 2352, 2353, 2354, 2355, 2356, 2357, 2358, 2359, 2360, 2361, 2362, 2363, 2364, 2365, 2366, 2367, 2368, 2369, 2370, 2371, 2372, 2373, 2374, 2375, 2376, 2377, 2378, 2379, 2380, 2381, 2382, 2383, 2384, 2385, 2386, 2387, 2388, 2389, 2390, 2391, 2392, 2393, 2394, 2395, 2396, 2397, 2398, 2399, 2400, 2401, 2402, 2403, 2404, 2405, 2406, 2407, 2408, 2409, 2410, 2411, 2412, 2413, 2414, 2415, 2416, 2417, 2418, 2419, 2420, 2421, 2422, 2423, 2424, 2425, 2426, 2427, 2428, 2429, 2430, 2431, 2432, 2433, 2434, 2435, 2436, 2437, 2438, 2439, 2440, 2441, 2442, 2443, 2444, 2445, 2446, 2447, 2448, 2449, 2450, 2451, 2452, 2453, 2454, 2455, 2456, 2457, 2458, 2459, 2460, 2461, 2462, 2463, 2464, 2465, 2466, 2467, 2468, 2469, 2470, 2471, 2472, 2473, 2474, 2475, 2476, 2477, 2478, 2479, 2480, 2481, 2482, 2483, 2484, 2485, 2486, 2487, 2488, 2489, 2490, 2491, 2492, 2493, 2494, 2495, 2496, 2497, 2498, 2499, 2500, 2501, 2502, 2503, 2504, 2505, 2506, 2507, 2508, 2509, 2510, 2511, 2512, 2513, 2514, 2515, 2516, 2517, 2518, 2519, 2520, 2521, 2522, 2523, 2524, 2525, 2526, 2527, 2528, 2529, 2530, 2531, 2532, 2533, 2534, 2535, 2536, 2537, 2538, 2539, 2540, 2541, 2542, 2543, 2544, 2545, 2546, 2547, 2548, 2549, 2550, 2551, 2552, 2553, 2554, 2555, 2556, 2557, 2558, 2559, 2560, 2561, 2562, 2563, 2564, 2565, 2566, 2567, 2568, 2569, 2570, 2571, 2572, 2573, 2574, 2575, 2576, 2577, 2578, 2579, 2580, 2581, 2582, 2583, 2584, 2585, 2586, 2587, 2588, 2589, 2590, 2591, 2592, 2593, 2594, 2595, 2596, 2597, 2598, 2599, 2600, 2601, 2602, 2603, 2604, 2605, 2606, 2607, 2608, 2609, 2610, 2611, 2612, 2613, 2614, 2615, 2616, 2617, 2618, 2619, 2620, 2621, 2622, 2623, 2624, 2625, 2626, 2627, 2628, 2629, 2630, 2631, 2632, 2633, 2634, 2635, 2636, 2637, 2638, 2639, 2640, 2641, 2642, 2643, 2644, 2645, 2646, 2647, 2648, 2649, 2650, 2651, 2652, 2653, 2654, 2655, 2656, 2657, 2658, 2659, 2660, 2661, 2662, 2663, 2664, 2665, 2666, 2667, 2668, 2669, 2670, 2671, 2672, 2673, 26

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[illegible]

Table 1



THE ANSWER IS OF A CORPSE!!

1. *Phragmites australis* (Cav.) Trin. ex Steud.

DEPARTMENT OF THE ARMY, WASHINGTON, D. C.

Houghton, Michael, Danville, CA, United States

Chao, Cui-Jin, H. Ferrero, M. Gillingham

[illegible]

Chiron Corporation, Emeryville, CA, United States

correspondence:

NUMBER	DATE
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79-1864-10	1991-12-1
79-1864-10-10412	1991-06-21 (C)
79-1864-10-10412-26	79-12-16 1991-11-09-1, 11-09-10-8

[illegible]

Ex. 66, No. 10 1949-500022, filed on 18 May 1949, now abandoned
Ex. 66, No. 10 1949-500023, filed on 18 May 1949, now abandoned
Ex. 66, No. 10 1949-500024, filed on 18 May 1949, now abandoned

Ser. No. 103 184-47156, filed in 13 Mar 1966, now
 withdrawn, and Ser. No. 103 184-47157, filed in
 14 Mar 1966, now withdrawn which form a
 continuation-in-part of Ser. No. 103 184-47155, filed
 in 14 Mar 1966, now withdrawn which form a
 continuation-in-part of Ser. No. 103 184-47154, filed
 in 14 Mar 1966, now withdrawn which form a
 continuation-in-part of Ser. No. 103 184-47153, filed
 in 14 Mar 1966, now withdrawn which form a
 continuation-in-part of Ser. No. 103 184-47152, filed

[illegible]

where α and β are real numbers, and $\alpha + \beta = 1$. The function f is called a *linear combination* of u and v , and α and β are called the *coefficients* of the linear combination. The set of all linear combinations of u and v is denoted by $\text{span}\{u, v\}$.

The HIV RNA sequences and the p Glycoproteins encoded therein are useful as reagents for the detection and therapy of HIV. The reagents provided in the invention are also useful for the isolation of HIV RNA agents, for the propagation of these agents in tissue culture, and for the stimulation of antiserum synthesis for HIV.

1200 AMSTERDAMSE KAT 100 1000000

ADDRESS OF INVENTOR: 47-1123 W. 106TH STREET
 TITLE: Method of ordering sequence binding preferences of a
 RNA-binding molecule
 INVENTORS: Edwards, Cynthia A., Menlo Park, CA, United States
 Fry, Kirk E., Palo Alto, CA, United States
 Cantor, Charles K., Boston, MA, United States
 Andrews, Beth M., Maynard, MA, United States(4)
 PATENT AGENT REF NO: Genelabs Technologies, Inc., Redwood City, CA, United
 States (U.S. corporation)

[illegible]

INVENTOR S : Houghton, Michael, Danville, CA, United States
Chen, Jui-Lin, El Dorado, CA, United States
Patent Attorneys : Kuo, George, San Francisco, CA, United States
Kuo, Stephen, Berkeley, CA, United States

CLASSIFICATION

NUMBER DATE

PATENT INFORMATION: US 4351071 1980-12-27
APPLICATION INFO: US 1433-11398 1980-12-27
RELATED APPL. INFO: Continuation of Ser. No. US 1352-4166, filed on 21
Dec 1979, now abandoned which is a

Continuation-in-part

of Ser. No. US 1352-4166, filed on 21 May 1979, now
abandoned which is a continuation-in-part of Ser. No.
US 1352-4166, filed on 21 Apr 1979, now abandoned
which is a continuation-in-part of Ser. No. US
1352-4166, filed on 21 Apr 1979, now abandoned which
is a continuation-in-part of Ser. No. US 1352-4166,
filed on 17 Mar 1979, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 14 Nov 1978, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 14 Nov 1978, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 14 May 1978, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 26 Feb 1978, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 23 Dec 1977, now abandoned which is a
continuation-in-part of Ser. No. US 1352-4166, filed
on 18 Nov 1977, now abandoned

DOCUMENT TYPE: Utility
PRIMARY EXAMINER: Felt, Margaret
ASSISTANT EXAMINER: Gibson, Bradley Leonard
LEGAL REPRESENTATIVE: Murphy, Gladys R.; Smith, Thomas E.; Kline, Jr.,
Robert

NUMBER OF CLAIMS: 41
EXEMPLARY CLAIM: 1
NUMBER OF DRAWINGS: 161 Drawing Figures; 166 Drawing Pages.
LINE COUNT: 7434

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

AB Immunoassays for the detection of antibodies to HIV are provided which
employ "D" domain antigens. Immunoassay kits comprising such antigens
are also provided.

CAS INDEXING IS AVAILABLE FOR THIS PATENT.

U.S. PATENT & TRADEMARK OFFICE

ACCEPTANCE NUMBER: 4351071
TITLE: Method for immunizing animals with synthetically
modified vaccinia virus
INVENTOR S : Fiedler, Enzo, Ithaca, NY, United States
Fiedler, Dennis, Averill Park, NY, United States
PATENT ATTORNEYS : Health Research, Incorporated, Albany, NY, United
States

NUMBER DATE

PATENT INFORMATION: US 4351071 1980-12-27
APPLICATION INFO: US 1433-11398 1980-12-27
RELATED APPL. INFO: Continuation-in-part of Ser. No. US 1352-4166, filed
on 21 Dec 1979, now abandoned, Ser. No. US 1352-4166,
filed on 21 May 1979, now abandoned which is a continuation-in-part

of Ser. No. US 12-1-1-4490, filed on 11/16/1991
 INVENTOR: T. J. J.
 PRIMARY EXAMINER: P. J. J.
 INVENTOR: T. J. J.
 NUMBER OF CLAIMS: 1
 NUMBER OF DRAWINGS: 1
 DRAWING LABEL: 1
 DRAWING NUMBER: 1
 DRAWING TITLE: 1

CLASSIFICATION IS AVAILABLE FOR THIS PATENT.

ABSTRACT: What are disclosed are methods for modifying the genome of vaccinia virus to produce vaccinia mutants, particularly by the introduction

into the vaccinia genome of exogenous DNA; modified vaccinia prepared by

such methods; certain DNA sequences and modified and potentially modified virus particles involved as intermediates in such methods; and methods for infecting cells and host animals with such vaccinia mutants to produce the amplification of exogenous DNA and proteins encoded by the exogenous DNA, including antigenic proteins, by said cells and host animals.

CLASSIFICATION IS AVAILABLE FOR THIS PATENT.

=> vir:5a DNA Vaccine

vir:5a DNA Vaccine: A command name was not recognized by the system. The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s vir:5a DNA Vaccine

113 1 VIR:5A DNA VACCINE

=> s vir:5a DNA Vaccine

3 FILES SEARCHED...

114 1 VIR:5A DNA VACCINE

=> s 114 and ed <19980130

MISSING OPERATOR

MISSING OPERATOR 114 ED<19980130

The search profile that was entered contains terms or boolean terms that are not separated by a logical operator.

=> s 114 and ed <19980130

3 FILES SEARCHED...

115 3 114 AND ED<19980130

=> 115 and genetic immuniz

116 10 VIR:5A RECOMBINED MUTANT

The previous command name entered was not recognized by the system. For a list of commands available to you in the current file, enter "HELP COMMANDS" at an arrow prompt (=>).

=> s vir:5a genetic immuniz

3 FILES SEARCHED...

3 FILES SEARCHED...

117 1 VIR:5A RECOMBINED MUTANT

118 1 VIR:5A RECOMBINED MUTANT

FILED SEARCHED ...
117 116 AM 11-21-13